In the Claims

Please rewrite the indicated claims to read as follows:

1. A method for preventing oxidative corrosion of a metal, said method comprising the steps of:

providing a metal or a device containing a metal wherein said metal is susceptible to oxidative corrosion;

providing an anti-corrosion composition, said composition comprising an effective amount of an anti-corrosion agent, said agent comprising a 2,4-*trans*, *trans*-hexadiene moiety, said composition further comprising a material capable of forming a moisture retentive barrier over a surface of said metal; and

applying said composition to a surface of said metal, wherein said composition forms an anti-corrosive, moisture retentive barrier over said surface.

3. The method of claim 1, wherein said providing and applying steps comprise the steps of:

providing an anti-corrosion solution, said solution comprising an effective amount of an anti-corrosion agent in a polar solvent, said agent comprising a 2,4-*trans*, *trans*-hexadiene moiety;

applying said solution to a surface of said metal; and

subsequently applying a moisture retentive barrier over said surface.

4. The method of claim 1, wherein in said providing step, said anti-corrosion agent and said material capable of forming a moisture retentive barrier over a surface of said metal are both provided in powdered form to produce said composition.

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5. The method of claim 1, wherein in said providing step, said anti-corrosion agent and said material capable of forming a moisture retentive barrier over a surface of said metal are both provided in powdered form to produce a powdered composition; and wherein in said applying step, said powdered composition is applied to a surface of said metal by powder metallurgy processing.

16. A method for preventing oxidative corrosion of a metal, said method comprising the steps of:

providing a metal or a device containing a metal wherein said metal is susceptible to oxidative corrosion;

providing an anti-corrosion solution, said solution comprising an effective amount of an anti-corrosion agent dissolved in a polar solvent, said agent comprising a 2,4-*trans*, *trans*-hexadiene moiety; and

continuously immersing said metal or said device in said solution.

17. A method for preventing oxidative degradation of a substance, said method comprising the steps of:

providing an anti-corrosion composition, said composition comprising an effective amount of an anti-corrosion agent, said agent comprising a 2,4-*trans*, *trans*-hexadiene moiety, said composition further comprising a material capable of acting in conjunction with said anti-corrosion agent to prevent said oxidative degradation; and

mixing said composition with a preparation of said substance.

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24. The composition of claim 20, wherein said composition is liquid or viscous in final form.

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31. The composition of claim 20, wherein said composition is in the form of a gel, a grease, an oil, a colloidal suspension or a foam.

Please add new claims 32-57, as follows:

32. (New) A composition for preventing oxidative degradation of a substance, said composition comprising:

an effective amount of an anti-corrosion agent, said agent comprising a 2,4-*trans*, *trans*-hexadiene moiety; and

a material capable of acting in conjunction with said anti-corrosion agent to prevent said oxidative degradation, said material is selected from the group consisting of a polar liquid, a non-polar liquid, a viscous material, an organic liquid, a polymeric material and a petroleum-based substance.

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33. (New) The composition of claim 32, wherein said material capable of acting in conjunction with said anti-corrosion agent to prevent said oxidative degradation is a polymeric material.

34. (New) The composition of claim 33, wherein said polymeric material is a glycol.

35. (New) The composition of claim 33, wherein said polymeric material is a homo- or heteroglycan polymer.

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36. (New) The composition of claim 35, wherein said homo- or heteroglycan polymer is a derivatized cellulose.

37. (New) The composition of claim 36, wherein said derivatized cellulose is an hydroxyethylated or carboxymethylated starch or cellulose.

38. (New) The composition of claim 32, wherein said 2,4-*trans*, *trans*-hexadiene moiety is in the form of a 2,4-*trans*, *trans*-hexadienoic anion.

39. (New) The composition of claim 38, wherein said 2,4-*trans*, *trans*-hexadienoic anion is sorbate.

40. (New) The composition of claim 39, wherein said composition further comprises potassium ion as a counter cation.

41. (New) The composition of claim 32, wherein said anti-corrosion agent is present at a concentration of between 0.2 and 58 percent by weight.

42. (New) The composition of claim 32, wherein said composition is first prepared in concentrated form and then diluted before use.

43. (New) The composition of claim 32, wherein said anti-corrosion agent is packaged for delayed release.

44. (New) The composition of claim 43, wherein said anti-corrosion agent is encapsulated.

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45. (New) The composition of claim 32, wherein said composition further comprises any one of an alcohol, a glycol, an antioxidant or an antimicrobial material.

46. (New) The composition of claim 32, wherein said composition is liquid or viscous in final form.

47. (New) The composition of claim 32, wherein said composition is in the form of a gel, a grease, an oil, a colloidal suspension or a foam.

48. (New) A method for preventing oxidative degradation of a substance, said method comprising the steps of:

providing the composition of claim 32; and

applying said composition to a preparation of said substance.

49. (New) The method of claim 48, wherein said applying step comprises mixing said composition with a preparation of said substance.

50. (New) The method of claim 48, wherein said substance is an agricultural product or a wood product.

51. (New) The method of claim 48, wherein said substance is a plastic material or a paper material.

52. (New) The method of claim 49, wherein said substance is a grain.

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53. (New) The method of claim 48, said method further comprising, following said applying step, the step of applying a further coating layer over said substance.

54. (New) The method of claim 48, wherein said applying step comprises using said composition as a lubricant for a surface of a substance.

55. (New) The method of claim 54, wherein said substance is a metal.

56. (New) The method of claim 48, wherein said applying step comprises using said composition as a pump oil or brake fluid.

57. (New) The composition of claim 21, wherein said 2,4-*trans*, *trans*-hexadienoic anion is sorbate.

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